CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP.

27th April 2015

Dear Sir,

Sub: Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AE-10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	30/03/2015	27/04/2015	28	8.17	475	**21.11**	**21.48**
2					8.20	485	**21.56**	
3					8.19	490	**21.78**	

Note:
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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE-10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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T-2654

To,

Assistant Executive Engineer
Vidyaranyapura Sub Division,
BBMP.

26th March 2015

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials the samples supplied by you, for the work of **'Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015
Specific Gravity	**2.62**
Water Absorption in %	**0.33**

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	**100**	100	**Satisfies the requirement**
20	**98.4**	95-100	
10	**44.6**	25-55	
4.75	**7.6**	0-10	

Note:

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Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Lab Incharge
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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015
Specific Gravity	**2.67**
Water Absorption in %	**0.26**

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	**Satisfies the requirement**
40	**97.4**	95-100	
20	**52.6**	30-70	
10	**23.7**	10-35	
4.75	**3.4**	0-5	

Note:

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Lab Incharge
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CIVIL TECH LABS BANGALORE

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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015
Specific Gravity	**2.58**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.6**	90-100	90-100	90-100	95-100	
	2.36	**83.5**	60-95	75-100	85-100	95-100	
	1.18	**74.2**	30-70	55-90	75-100	90-100	
	0.6	**43.6**	15-34	35-59	60-79	80-100	
	0.3	**24.8**	5-20	8-30	12-40	15-50	
	0.15	**8.2**	0-10	0-10	0-10	0-15	

Note:

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Lab Incharge
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CIVIL TECH LABS BANGALORE

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CIVIL TECH LABS

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	53	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	482	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BARS 8mm

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.396	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.8	14.5	Satisfactory
5	Yield Stress(N/mm²)	418	415	Satisfactory
6	U T S (N/mm²)	522	485	Satisfactory

Note:
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4. The results are based on the test conducted on samples supplied by the client.

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Vidyaranyapura Sub Division, BBMP
Name of Work	Improvements to drains and covering slabs at Fish stall to Apoorva apartment in ward no. 10, (Doddabommasandra) Vidyaranyapura Sub Division.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	26/03/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	419	415	Satisfactory
6	U T S (N/Sq.mm)	524	485	Satisfactory

Note:

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